

ABSTRACT

THERMOPLASTIC POLYESTER COMPOSITIONS HAVING IMPROVED IMPACT PROPERTIES

Company named: ELF ATOCHEM S.A.
4 & 8 Cours Michelet
La Défense 10
92800 PUTEAUX - Hauts-de-Seine

Agent: Henry NÉEL

Inventors: Mr Christophe LACROIX
Mr Alain BOUILLOUX

The present invention relates to thermoplastic polyesters, which comprise, by weight:

- (i) a thermoplastic polyester;
 - (ii) an impact modifier comprising:
 - (a) a core-shell copolymer (A);
 - (b) an ethylene copolymer (B) chosen from ethylene-unsaturated carboxylic acid anhydride copolymers (B1), ethylene-unsaturated epoxide copolymers (B2) and blends thereof;
 - (iii) the (B)/(A) ratio being between 40/60 and 10/90 for proportions of impact modifier between 18 and 40% in 82 to 60% of polyester, respectively;
 - (iv) the (B)/(A) ratio being between 40/60 and 25/75 for proportions of impact modifier between 2 and 18% in 98 to 82% of polyester, respectively.
- It is particularly useful for PET and PBT.